

Safe Drinking Water Information System

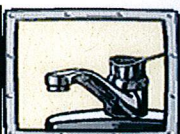
To access AZSDWIS Click Here >

Arizona Safe Drinking Water Information System (AZSDWIS)

Quick Reference Guide

How to Search for Public Water Systems, Schedules and Violations

AZSDWIS Quick Reference Guide
March 31, 2014



► Where can I find out what the columns headings, abbreviations, and definitions within the different screens mean?

On the front screen in AZSDWIS, you can click on the extensive definitions tab for assistance.

Safe Drinking Water Information System

Version 3.0

Public Water Supply Systems Search Parameters

Water System ID #

Water System Name

Principal County Served

Water System Classification

Primary Source Water Type

Analytical Results

Sample Parameters

Sample Collection Date Range
(The Sample Search always produces results for the last 2 years, unless you provide a specific date range.)
3/26/2012 To 3/26/2014

Search For Water Systems Search For Samples Review Consumer Confidence Data Clear **Definitions**

[Click Here for the County Map of ARIZONA](#)

Definitions

ABCDEFGHIJKLMNOPQRSTUVWXYZ

A

Action Type
[Action Type](#)

Activity Date
[Activity Date](#)

Activity Reason
[Activity Reason](#)

Activity Status
[Activity Status](#)

Address
[Address](#)

Analysis Result
[Analysis Result](#)

Analyte Code
[Analyte Code](#)

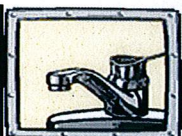
Analyte Group Code
[Analyte Group Code](#)

Analyte Group Name
[Analyte Group Name](#)

Analyte Name
[Analyte Name](#)

Analyte Selection List
[Analyte Selection List](#)

Analyte Selection List Global



► How do I search for a public water system?

This is the front screen in AZSDWIS where a number of different searches can begin:

Safe Drinking Water Information System

Version 3.0

Public Water Supply Systems Search Parameters

Water System ID #

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Sample Collection Date Range
(The Sample Search always produces results for the last 2 years, unless you provide a specific date range.)

3/26/2012 3/26/2014

[Click Here for the County Map of ARIZONA](#)

On this screen you can search for a specific system, or systems, that meet your search criteria, using the options listed on the next page. Once you have entered your search criteria, click on **Search for Water System**, which is listed immediately above the [“Click Here for the County Map of ARIZONA”](#).

Safe Drinking Water Information System

Version 3.0

Public Water Supply Systems Search Parameters

Water System ID #

Water System Name

Principal County Served

Water System Classification

Primary Source Water Type

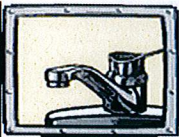
Analytical Results

Sample Parameters

Sample Collection Date Range
(The Sample Search always produces results for the last 2 years, unless you provide a specific date range.)

3/26/2012 3/26/2014

[Click Here for the County Map of ARIZONA](#)



► **Public Water Supply Systems Search Parameters explained**

Search for a water system using any of these options

Do not enter both the water system ID# and water system name

Water System ID #

98756

Enter a 5 digit Public Water System ID # (number),

OR

Water System Name

Enter the Public Water System Name or the first part of the name. You must enter the name as it appears in the database or it may not be found. When in doubt use the Water System ID # for the best results.

Principal County Served

All

However, instead of searching for the Water System Name or by the Water System ID, you can opt to use the drop down menu on the Principal County Served to select all systems within a single county. This search can be used alone, or in conjunction with either the Water System Classification and/or the Primary Source Water Type.

**Water System
Classification**

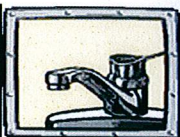
All

Choose one from: Community, Non-Community, Non-Public/Inactive, Non-Transient Non-Community. This search can be used alone, or in conjunction with, either the Principal County Served and/or the Primary Source Water Type.

**Primary Source Water
Type**

GroundWater

Choose one from Ground Water, Ground Water Purchased, Ground Water UDI Surface Water, Ground Water UDI Surface Water Purchased, Surface Water or Surface Water



Purchased. This search can be used alone, or in conjunction with, either the *Principal County Served* and/or the *Water System Classification*.

Analytical Results

Click to select a value... **If you want to search by sample type: Coliform/Microbial Samples, Coliform/Microbial Samples Detection Only, Coliform Summaries, Lead and Copper Summaries, or Summarized Field Results.**

Sample Parameters

Sample Collection Date

Range (The Sample Search always produces results for the last 2 years, unless you provide a specific date range.)

3/31/2012 To 3/31/2014 **Specify full range of begin to end dates if you prefer something other than the default two year period.**

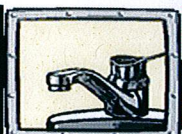
Click below ▼ to search

[Search For Water Systems](#) [Search For Samples](#) [Review Consumer Confidence Data](#)

Once you have selected a system, click on the **Water System ID #**, highlighted below (Definitions in yellow font have been added for your information):

Water Systems

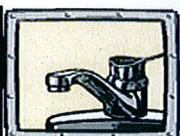
Water System ID #	Water System Name	Type C = Community NC = Non-Community NP = Non-Public/Inactive NTNC = Non-Transient Non-Community	Status A = Active I = Inactive	Pri. Cnty Served Principal County Served	Pri. Src. Water Type
<u>AZ05555</u>	XYZ Water System	C	A	YUMA	SW



► Public Water Supply Systems Search Parameters explained

Once a system has been highlighted below for illustration, then go to the top of the screen where there are yellow text fields.

Arizona Department of Environmental Quality		Safe Drinking Water		Monitoring Assistance Program	
County Map of Arizona		Water System Search		Help	
List of System Facilities	Violations	Bacteriological Sample Results			
Sample Schedules / FANLs / Plans		Bacteriological Sample Summaries			
	Compliance Schedules	Analytical Results		Lead and Copper Summary	
System Inspections/Sanitary Surveys		Individual Analyte Analytical Results		Chlorine Result Averages	
Water System Detail Information					
Water System ID #:	AZ05555 The database will add the "AZ04" to the front of the 5 digit ID#		Water System Classification:	C (Community)	
Water System Name:	XYZ WATER COMPANY		Primary Water Source:	GW (Ground Water)	
Principal County Served:	Maricopa Note: Maricopa County systems begin with 07. This is a fictitious water system and would not belong in Maricopa County. 05 is really in Graham County.		System Activity / MAP Participant:	A – MAP Active and in MAP	
			Activity Date:	06-01-1985	



► How can I view data?

There are several text fields that will allow you to view data:

[Bacteriological Sample Results](#) Systems that take less than eight samples per month, or any positive samples or repeat samples can be viewed here.

[Bacteriological Sample Summaries](#) Systems that take eight or more samples per month will have the total number of negative samples listed here. Any positives and subsequent repeats are listed under "Bacteriological Sample Results".

[Analytical Results](#) Search by most recent sample date for any type of sample other than bacteriological (total coliform bacteria).

[Individual Analyte Analytical Results](#) Results for all analytes (aka contaminants, except bacteriological/total coliform results), collected by analyte.

[Lead and Copper Summary](#) Shows the monitoring period, how many samples were collected, the 90th percentile and the number of samples (if any) above the action level.

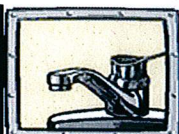
[Chlorine Result Averages](#) Shows the Maximum Residual Disinfectant Levels (MRDL) average for the month and running annual average (RAA) for last 12 months.

► How do I find data for an individual analyte?

Go to the text field that says **Individual Analyte Analytical Results**, and click on this link.

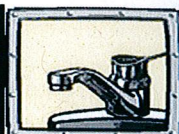
Within this link you will find the individual samples by analyte. Scroll down to the one you want to view, and click on the blue contaminant code (highlighted here) to view the samples that contain that analyte. Here is an excerpt from the bottom of the screen from one of those queries:

Contaminant Code	Contaminant Name	Contaminant Group	Number of Samples in AZSDWIS
2950	TTHM	OC	21
2976	VINYL CHLORIDE	OC	37
2955	XYLENES, TOTAL	OC	37
1095	ZINC	IOC	14



Once you have clicked on the contaminant code to view the results, you will see the type of sample, specimen/sample number, date collected, sample point, possibly a sample point description and the laboratory that processed the sample. Below are the specimens for TTHM. Click on the **Sample No.** to view the actual results for the sample.

Non-TCR Samples					
TTHMs					
Type	Sample No.	Date	Sample Point	Sample Pt. Description	Laboratory
MR	201208170104	08-15-2012	DS001	DISTRIBUTION SYSTEM	EUROFINS EATON ANALYTICAL INC
MR	PTG1601-01	07-27-2010	DS001	DISTRIBUTION SYSTEM	TESTAMERICA PHOENIX
MR	PTG1601-02	07-27-2010	DS001	DISTRIBUTION SYSTEM	TESTAMERICA PHOENIX
MR	PSG1607-01T	07-28-2009	DS001	DISTRIBUTION SYSTEM	TESTAMERICA PHOENIX
MR	PSG1607-02T	07-28-2009	DS001	DISTRIBUTION SYSTEM	TESTAMERICA PHOENIX
MR	PRG1706-01A	07-29-2008	DS001	DISTRIBUTION SYSTEM	DEL MAR
RT	PRG1706-02A	07-29-2008	DS001	DISTRIBUTION SYSTEM	DEL MAR
MR	CQH0125-01A	08-01-2007	DS001	DISTRIBUTION SYSTEM	TESTAMERICA ONTARIO
MR	CQH0125-02A	08-01-2007	DS001	DISTRIBUTION SYSTEM	TESTAMERICA ONTARIO
RT	06070278-02	07-10-2006	DS001	DISTRIBUTION SYSTEM	AEROTECH ENVIRONMENTAL PHOENIX



► **Sampling Schedules and the Monitoring Assistance Program (MAP)**

DISCLAIMER: This sampling information is provided as brief guidance to navigate the screens, and does not substitute for the complete requirements in rule. To ensure the system is in compliance, please consult the appropriate rule citations under the Code of Federal Regulations (40 CFR 141) for complete monitoring and reporting requirements.

To understand its sampling schedule, the first thing a system needs to know is whether the system is in the **Monitoring Assistance Program (MAP)**. Community and Non-Transient Non-Community Water Systems serving less than 10,000 people that are not state or federally owned are required to be in MAP. MAP systems that eventually exceed 10,000 people served can opt to stay in MAP. State or federally owned systems can opt to join MAP. Systems that serve 10,000 or more people can opt to join MAP.

Currently, Transient Non-Community Water Systems are not eligible to join MAP.



Know your system type

Transient Non-community

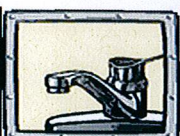
- 15 or more connections not by same people for more than 6 months/year, or
- An average of at least 25 people/day for at least 60 days/year, but not the same 25 people for more than 6 months/year.

Non-transient Non-community

- 15 or more connections used by same people for more than 6 months/year, or
- Serves the same 25 or more people for at least 6 months/year.

Community

- 15 or more connections used by same people year round, or
- Serves the same 25 or more people year round.



The viewer can determine if the system is in MAP by looking at the **System Status**. If this is marked "A – MAP", then the system is an active system and is also in the MAP program. If there is an "A" for active, or "I" for inactive, without " – MAP", then the system is not in MAP.

Arizona Department of Environmental Quality		Safe Drinking Water		Monitoring Assistance Program	
County Map of Arizona		Water System Search		Help	
List of System Facilities	Violations	Bacteriological Sample Results			
Sample Schedules / FANLs / Plans		Bacteriological Sample Summaries			
	Compliance Schedules	Analytical Results		Lead and Copper Summary	
System Inspections/Sanitary Surveys		Individual Analyte Analytical Results		Chlorine Result Averages	
Water System Detail Information					
Water System No.:	AZ0405555	Federal Type:	C		
Water System Name:	XYZ Water Co Inc	Primary Source:	GW		
Principal County Served:	Maricopa	System Status:	A - MAP		
		Activity Date:	06-20-1996		

Water System Contacts			
Type	Contact	Communication	
AC - Administrative Contact	Johnny Appleseed 1Cherry Tree Ln. Nowhere, AZ	Electronic Type	Address
		Email	something@something.com
		Phone Type	Number
		Business	928-555-5555
		Facsimile	928-555-5555

Sources of Water			
Name	Type	Activity	Availability
WL-55-200615 - 6	WL	A	P
WL-55-576618 - 4	WL	A	P
WL-55-202875 - 7	WL	A	P
XWL-55-576617 -	WL	I	P
XWL-55-564822 - 3	WL	I	P
XWL-55-560987 - 2	WL	I	P
XWL-55-533877 - 1	WL	I	P

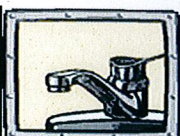
If the system is in MAP, then MAP performs all of the required Entry Point to the Distribution System (EPDS) sampling, except for any increased monitoring. **All increased monitoring is the responsibility of the water system to sample.** If a system is not in MAP, then the system must perform all of the required sampling, including all EPDS sampling. **MAP does not perform any distribution system sampling - - this is the responsibility of the system.**

► Where samples are collected and for which analytes or groups of analytes

► Entry Point to the Distribution System (EPDS) Sampling Requirements

(Note: The EPDS was formerly referred to as the Point of Entry or "POE")

- Inorganic Contaminants (IOC) *Community and Non-Transient Non-Community*
- Synthetic Organic Contaminants (SOC) *Community and Non-Transient Non-Community*
- Volatile Organic Contaminants (VOC) *Community and Non-Transient Non-Community*
- Radionuclides (RAD) *Community water systems only*
- Nitrate *All water systems*
- Nitrite *All water systems*
- Asbestos *Community and Non-Transient Non-Community*



► Surface Water Sampling Requirements

- Turbidity
 - Combined Filter Effluent (CFE)
 - Individual Filter Effluent (IFE)
- Entry Point (EPDS) Residual Disinfectant Concentration (Entry Point RDC)
- Distribution System Residual Disinfectant Concentration (Distribution System RDC)

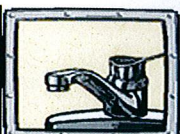
► Distribution System Sampling Requirements

MAP does not perform any distribution system sampling - - this is the responsibility of the system.

- Total Coliform *All water systems*
- Lead and Copper *Community and Non-Transient Non-Community*
- Disinfection Byproducts *Community and Non-Transient Non-Community as described in rule*
 - Total Trihalomethanes (TTHMs) and Halo Acetic Acids (HAA5s)
 - Bromate (when using ozone) *As described in rule*
 - Chlorite (when using Chlorine dioxide) *All water systems as described in rule*
- Disinfectant Residuals *As described in rule*
 - Chlorine, chloramines or chlorine dioxide

► Wellhead Sampling Requirements

Compliance sampling at the wellhead is only performed for source water monitoring under the Ground Water Rule if triggered, or for New Source Approval sampling.



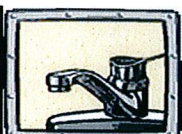
► How to Interpret Sampling Frequency and Sampling Type

Sample Frequency = the frequency or periodicity of required monitoring.

1T = One Time	4Y = 4 Years	2 W = 2 Weeks
YR = 1 Year	6M = 6 Months (Lead and Copper Initials)	HR = 1 Hour
2Y = 2 Years	6Y = 6 Years	MN = Month
3Y = 3 Years	9Y = 9 Years	QT = Quarter
4H = 4 Hours	DL = 1 Day (ground water rule sampling)	WK = Week
1RT/MN = 1 routine per month (TOC and Alkalinity [TOCA], or Carbon)		
5 RT/MN = 5 increased routine total coliform (TCR) samples taken the month following a positive TCR sample for those systems that normally take less than 5 TCR samples/month.		
1RT/QT = 1 routine per quarter (increased monitoring)		
4RT/Y = Initial Monitoring of 4 consecutive quarters in the same calendar year.		
4RT/3Y = 4 consecutive quarters in the same calendar year every third year.		
1RT/3Y = 1 sample every 3 years to be collected in the first year of the schedule and every three years thereafter. For example 1/3 beginning in 2004 (collect in 2004, 2007, 2010, 2013, 2016, etc.)		
2RT/3Y = 2 samples every 3 years to be collected in the same/first year of the schedule and every three years thereafter. For example 2/3 beginning in 2004 (collect in 2004, 2007, 2010, 2013, 2016, etc.)		
1RT/6Y = 1 sample every 6 years to be collected in the first year of the schedule and every six years thereafter. For example 1/6 beginning in 2004 (collect in 2004, 2010, 2016, etc.)		
1RT/9Y = 1 sample every 9 years to be collected in the first year of the first of three compliance periods in a 9 year compliance cycle. For example 1/9 beginning in 2004 (collect in 2004, 2013, etc.)		
2RT/9Y = 2 samples every 9 years to be collected in the same/first year of the first of three compliance periods in a 9 year compliance cycle. For example 2/9 beginning in 2004 (collect in 2004, 2013, etc.).		

Sample Types

RT = Routine
CO = Confirmation sample taken after a RT sample
RP = Repeat
RP OT = Repeat other location (aka 4 th other repeat for total coliform)
RP DN = Repeat downstream within 5 service connections
RP UP = Repeat upstream within 5 service connections
RP OR = Repeat taken at the original sample location that was positive
TG = Triggered well sample under the Ground Water Rule
CO (RW001) = Additional well samples under the Ground Water Rule
MR = Maximum Residence Time



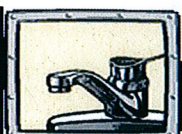
► Examples of How to Interpret Specific Sampling Schedules

AZSDWIS provides the monitoring schedules for several contaminants that public water systems are required to monitor for under the Safe Drinking Water Act. AZSDWIS currently does not identify the monitoring schedules for surface water systems monitoring for Turbidity and Residual Disinfection Concentrations. AZSDWIS also may not reflect the current monitoring schedules for disinfection byproducts (DBP) (TTHM and HAA5) under the Stage 2 DBP rule, as the schedules are currently under construction for each individual system subject to the rule. For these schedules, you are invited to contact the ADEQ individual Rule Specialists or delegated county primacy agency (i.e., Maricopa County Environmental Services Department, or Pima County Department of Environmental Quality), directly.

Routine TCR (Total Coliform Rule) Sample Schedules = *Bacteriological Sample Results*

Routine TCR Sample Schedules		
Begin/End Date	Seasonal Period	Sample Frequency
09-01-2012 - Continuous This means the system has had this current schedule since September 1 of 2012, and this schedule is "continuous" and ongoing until changed in the future.	1/1 - 12/31 This means the schedule is valid year round from January 1 thru December 31.	1 RT/MN This means 1 <u>Routine</u> sample per month is required.
08-01-2012 - 08-31-2012 This means the system has had this schedule for the month of August 2012.	8/1 - 8/31 This means the schedule is valid for the month of August only.	5 TR/MN This means the schedule is for <u>triggered increased monitoring</u> of five samples for the month of August 2012, following a month with a positive sample.

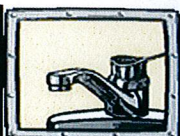
Repeat TCR Sample Schedules			
Begin Date	End Date	Sample Frequency	Original Sample ID/Date
07-02-2012	07-16-2012	4 RP/DL Four repeat samples are due within 24 hours of the original positive sample.	BV-05900 / 07-01-2013 Original specimen number and date sample was taken.



Group Non-Total Coliform Rule (TCR) Sample Schedules

Group Non-TCR Sample Schedules					
Facility	Begin/End Date	Init MP Begin Dt	Sample Frequency	Group Code	Analyte Group Name
DS001 Distribution System Sample	01-01-2004 Continuous	01-01-2004	5 RT/3Y	PBCU	LEAD & COPPER
EPDS001 Entry Point to the Distribution System Sample	01-01-2004 Continuous	01-01-2004	1 RT/9Y	IOCC	IOCS-CWS
EPDS001	01-01-2010 Continuous	01-01-2010	1 RT/9Y	RADS	RADS
EPDS001	01-01-2001 Continuous	01-01-2001	1 RT/9Y	SOCS	SOCS
EPDS001	01-01-2007 Continuous	01-01-2007	1 RT/6Y	VOCD	DATA ENTRY-VOCS

Individual Non-TCR Sample Schedules						
Facility	Begin/End Date	Init MP Begin Dt	Seasonal	Req.	Code	Analyte Name
EPDS001	01-01-2004 Continuous	01-01-2004	4/1 – 6/30 The system must collect the annual sample during months of April 1 thru June 30.	1 RT/YR 1 Sample per year	1040	NITRATE
EPDS001	01-01-2004 Continuous	01-01-2004		1 RT/9Y 1 Sample every 9 years	1041	NITRITE
EPDS001	01-01-2004 Continuous	01-01-2004		1 RT/9Y	1094	ASBESTOS



► **Systems granted triennial lead and copper monitoring—next sampling year**

Systems on initial monitoring or systems on annual monitoring that are granted triennial monitoring (monitoring every three years) must monitor again for lead and copper in the third year following the year of their last set of lead and copper samples. For example: A system that sampled annually in 2010, 2011 and 2012 is granted triennial lead and copper monitoring. The next set of lead and copper samples are to be taken in 2015 (not 2013), which is the third year following their last set of samples from 2012. This system would sample in 2015 and then again in 2018, provided that no Action Level Exceedances are present.

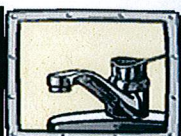
EXAMPLE Lead and copper triennial schedule:

DS001	01-01-2004 Continuous	01-01-2004	10 RT/3Y	PBCU	LEAD & COPPER
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“10 RT/3Y” in the schedule above refers to a triennial schedule for lead and copper (PBCU) monitoring. This system is required to take 10 lead and copper samples every three years. Samples must be taken between June 1 and September 30 every third year. If a system takes 10 PBCU samples between June 1 and September 30, 2013, the next set of 10 PBCU samples are to be taken between June 1 and September 30, 2016.

► **Disinfection Byproducts (DBP) Stage 2**

The Stage 2 schedules will require a system to consult their Stage 2 Compliance Monitoring Plan for specifics on sampling dates, locations, and dual or individual samples



► How to interpret violations

Click on the **Violations** tab to get to the violations screen. Only violations accrued for the last 10 years will show up, regardless of when the violation was created.

Arizona Department of Environmental Quality		Safe Drinking Water		Monitoring Assistance Program	
County Map of Arizona		Water System Search		Help	
List of System Facilities	Violations	Bacteriological Sample Results			
Sample Schedules / FANLs / Plans		Bacteriological Sample Summaries			
	Compliance Schedules	Analytical Results		Lead and Copper Summary	
System Inspections/Sanitary Surveys		Individual Analyte Analytical Results		Chlorine Result Averages	
Water System Detail Information					
Water System No.:	AZ0405555		Federal Type:	C	
Water System Name:	XYZ Water Co Inc		Primary Source:	GW	
Principal County Served:	Maricopa		System Status:	A - MAP	
			Activity Date:	05-26-1996	

Water System Contacts			
Type	Contact	Communication	
AC - Administrative Contact	Johnny Appleseed 1 Cherry Tree Ln. Nowhere, AZ	Electronic Type	Address
		Email	something@something.com
		Phone Type	Number
		Business	928-555-5555
		Facsimile	928-555-5555

Sources of Water			
Name	Type	Activity	Availability
WL-55-200615 - 6	WL	A	P
WL-55-576618 - 4	WL	A	P
WL-55-202875 - 7	WL	A	P
XWL-55-576617 -	WL	I	P
XWL-55-564822 - 3	WL	I	P
XWL-55-560987 - 2	WL	I	P
XWL-55-533877 - 1	WL	I	P

► A sample of violations

Group Violations								
Fed Fiscal Year The year the violation was assigned	Comp Prd Begin Date Compliance Period Began	Comp Prd End Date Compliance Period Ended	Sample Point Collection Point	Viol Type Internal Database Code	Violation Name Type of violation assigned	Comp Achieved Has the violation been returned to compliance N = No Y = Yes	Analyte Group	Analyte Group Name
2014	01-01-2008	12-31-2013	EPDS007	03	MONITORING, ROUTINE MAJOR	N	VOCD	DATA ENTRY-VOCS
2013	10-01-2011	12-31-2011	EPDS013	03	MONITORING, ROUTINE MAJOR	Y	VOCD	DATA ENTRY-VOCS

Once a violation has been returned to compliance, compliance will have been achieved, but will not result in violation being deleted.